



SURGE PROTECTION

MORE THAN AN ACCESSORY

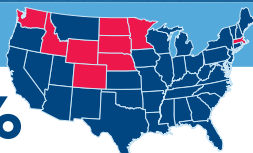
In a **2017 survey** of electrical designers, electrical planners, and electrical engineers who worked in **designing / renovating electrical systems** in industrial facilities, healthcare facilities, and IT centers, the **Electrical Safety Foundation International** found:

42.4%



of all respondents use the 2017 National Electrical Code when designing or installing

17.2%



of respondents were in states where the 2017 NEC has been adopted

94%



of those surveyed find surge protection to be very or extremely important to building owners and tenants

Most frequently mentioned surge protection devices designed or installed into buildings:

TYPE 2 Surge Protection Devices

35%

TYPE 1 Surge Protection Devices

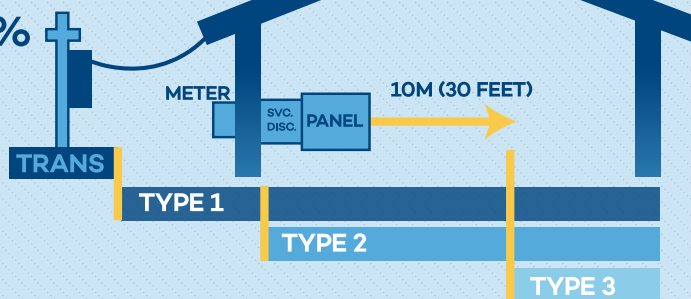
29%

TYPE 3 Surge Protection Devices

21%

Point -of- Use Surge Protection Devices

15%



FREQUENCY OF SURGES



Voltage surges significant enough to cause **EQUIPMENT DAMAGE** occur with monthly or greater frequency in:



69%

 of Healthcare facilities

76%

 of Industrial facilities

80%

 of IT center facilities

Surges significant enough to cause **INJURY OR DEATH** occur annually, or less than once a year in:



56%

 of Healthcare facilities

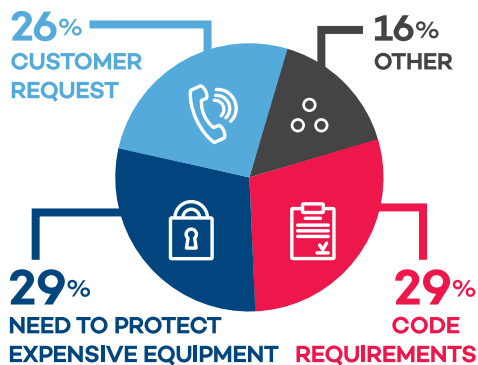
54%

 of IT center facilities

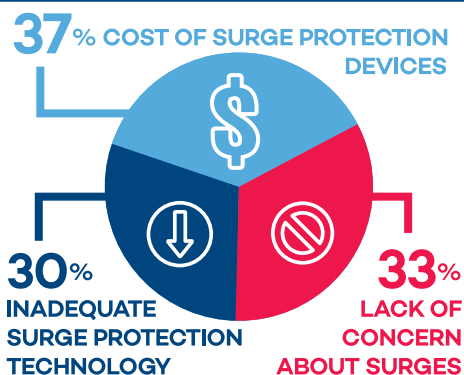
51%

 of Industrial facilities

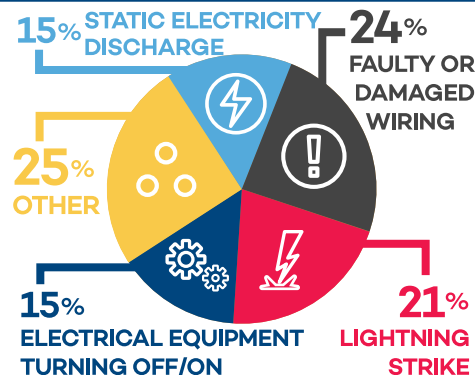
REASONS SURGE PROTECTION WAS INSTALLED:



REASONS SURGE PROTECTION WAS NOT INSTALLED:



CAUSES OF SURGE:



! Circuit Interrupters and Over Current Devices are NOT Surge Protection Devices. Learn more at ESFI.org

